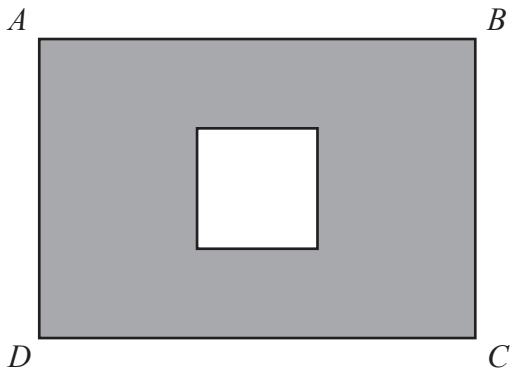
**22** The diagram shows a square inside rectangle $ABCD$

Diagram **NOT** accurately drawn




The total area of the region shown shaded in the diagram is $X$ cm²

$AB = 11.5$ cm correct to the nearest 0.5 cm
$BC = 9.2$ cm correct to 2 significant figures
side of square = 4.1 cm correct to 2 significant figures

By considering bounds, work out the value of $X$ to a suitable degree of accuracy.
Show your working clearly.

$X =$ .....

**(Total for Question 22 is 4 marks)**

DO NOT WRITE IN THIS AREA
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